

DEPARTMENT OF PERMITTING, ENVIRONMENT, AND REGULATORY AFFAIRS (PERA)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208 Miami, Florida 33175-2474 T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/building

NOTICE OF ACCEPTANCE (NOA)

Miami-Dade County Transit Department 701 NW 1st Court, Suite 1700 Miami, Florida 33136-3922

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County PERA-Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. PERA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Miami Bus Shelter Slim Version W/O Oppi Pal-Li Solar Display Panel

APPROVAL DOCUMENT: Drawing No. 12-033, titled "Miami Bus Shelter Slim Version W/O Oppi Pal-Li Solar Display Panel", sheets 1 through 15 of 15, prepared by Tilteco, Inc., dated February 10, 2012, signed and sealed by Walter A. Tillit Jr., P.E., on February 21, 2012, bearing Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number & expiration date by Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: None

LABELING: Each bus shelter shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This approval is limited to only the Structural Adequacy of the Bus Shelter and the display unit. All others are not part of this Approval. This NOA revises NOA # 08-0804.06 and consists of this page 1, the evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by Helmy A. Makar, P.E., M.S.

MIAMI-DADE COUNTY
APPROVED

Heling A. Molecular NOA No. 12-0227.20
Expiration Date: 09/11/2013
Approval Date: 04/12/2012
Page 1

Miami-Dade County Transit Department

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 08-0804.06

A. DRAWINGS:

1. Drawing No. 07-229, titled "Miami Bus Shelter Slim Version W/O Oppi Pal-Li Solar Display Panel", sheets 1 through 15 of 15, prepared by Tilteco, Inc., dated 09/13/2007, last revision #2 dated 04/02/2008, signed and sealed by Walter A. Tillit Jr., P.E.

B. TESTS:

- 1. Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter roof panel, prepared by Fenestration Testing Laboratory, Inc., Report No. 3867, dated September 4, 2003, signed and sealed by Joseph Chan, P.E.
- 2. Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter solar roof panel, prepared by Fenestration Testing Laboratory, Inc., Report No. 3795, dated July 3, 2003, signed and sealed by Joseph Chan, P.E.
- 3. Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter rear panel back section, prepared by Fenestration Testing Laboratory, Inc., Report No. 3891, dated September 4, 2003, signed and sealed by Joseph Chan, P.E.
- 4. Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter roof panel, prepared by Fenestration Testing Laboratory, Inc., Report No. 3901, dated September 4, 2003, signed and sealed by Joseph Chan, P.E.
- 5. Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter solar display panel, prepared by Fenestration Testing Laboratory, Inc., Report No. 3792, dated September 4, 2003, signed and sealed by Joseph Chan, P.E.
- 6. Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter solar display panel, prepared by Fenestration Testing Laboratory, Inc., Report No. 3788, dated September 4, 2003, signed and sealed by Joseph Chan, P.E.
- 7. Test report on Gravity Load Test, of bus shelter Steel Rolled form Bench, prepared by Fenestration Testing Laboratory, Inc., Report No. 3920, dated September 3, 2003, signed and sealed by Joseph Chan, P.E.

C. CALCULATIONS:

1. Miami Bus Shelter Slim Version W/O Oppi Pal-Li Solar Display Panel design and anchor analysis dated August 01, 2008, Pages 1 through 34 of 34, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE:

1. By Miami-Dade County Building Code Compliance Office.

2. Tensile Test Report No. 3926, prepared by Fenestration Testing Laboratory, Inc.

Helmy A. Makar, P.E., M.S.

PERA, Product Control Unit Supervisor NOA No. 12-0227.20

> Expiration Date: 09/11/2013 Approval Date: 04/12/2012

Miami-Dade County Transit Department

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATION:

1. Mill Certified Test Report issued by Amerimet Corporation, dated 07/16/03 with chemical composition and mechanical properties of aluminum alloy 3003-H154.

1. NEW EVIDENCE SUBMITTED

A. DRAWINGS:

1. Drawing No. 12-033, titled "Miami Bus Shelter Slim Version W/O Oppi Pal-Li Solar Display Panel", sheets 1 through 15 of 15, prepared by Tilteco, Inc., dated February 10, 2012, signed and sealed by Walter A. Tillit Jr., P.E., on February 21, 2012.

B. TESTS:

1. None.

C. CALCULATIONS:

1. Miami Bus Shelter Slim Version W/O Oppi Pal-Li Solar Display Panel design dated February 21, 2012, Pages 1 through 9 of 9, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E.

D. QUALITY ASSURANCE:

1. By Miami-Dade County Department of Permitting, Environment, and Regulatory Affairs (PERA).

E. MATERIAL CERTIFICATION:

1. None.

Afelmy A. Makar, P.E., M.S

PERA, Product Control Unit Supervisor

NOA No. 12-0227.20 Expiration Date: 09/11/2013

Approval Date: 04/12/2012

MIAMI BUS SHELTER SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

GENERAL NOTES:

(I) MIAMI BUS SHELTER SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

1.-- MIAMI BUS SHELTER SLIM VERSION SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE USING INFORMATION FROM A CURRENT MIAMI-DADE COUNTY NOA, WHICH CORRESPONDING TO A LARGE SHELTER SIZE IN ACCORDANCE WITH THE 2007 & 2010 EDITIONS OF THE FLORIDA BUILDING CODE.

DESIGN WIND LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH SECTION 1620 OF THE ABOVE MENTIONED CODES, FOR A BASIC WIND SPEED OF 146 M.P.H. (F.B.C. 2007) & 175 M.P.H. (F.B.C. 2010) AND IN ACCORDANCE WITH ASCE 7-05 & ASCE 7-10 STANDARDS, RESPECTIVELY. TESTING FOR WIND CAPACITY HAS BEEN PERFORMED IN ACCORDANCE OF TAS-202 AND AS PER ASTM E-330 STANDARD, PER FENESTRATION TESTING LAB REPORTS # 3867, 3795, 3891, 3901 AND 3925. THIS STRUCTURE SHALL ONLY BE INSTALLED WHERE A.S.D. DESIGN WIND LOADS DO NOT EXCEED THE MAXIMUM VALUES INDICATED BELOW

MAXIMUM A.S.D. DESIGN LOADS ARE:
DEAD LOADS ON STRUCTURAL ROOF: 3.0 P.S.F.
LIVE LOADS ON STRUCTURAL ROOF: 30 P.S.F.
MAX. A.S.D. DESIGN PRESSURE RATING FOR WIND;
ON STRUCTURAL ROOF: +80, -80 P.S.F. (S.F.=2.00)
ON REAR GLASS WALL: +50, -61 P.S.F. (S.F.=1.80)

2.- ALL STEEL POSTS AND FLATES TO BE MADE OF AISI 304 SERIES WITH A MINIMUM YIELD STRENGTH OF 42.0 kgl.

3.- All aluminum extrusions shall be made of a minimum aluminum association alloy and temper corresponding to 6083-t6.

4. ALUMINUM EXTRUSIONS IN CONTACT WITH STEEL SHALL BE PROTECTED APPLYING KOPPERS BITUMINOUS PAINT ACCORDING TO FLORIDA BUILDING CODE SECTION 2003.8.4.2.

5. BENCH MATERIAL SHALL BE ASTM A-1011 HOT ROLLED STEEL, W/ A MINIMUM YIELD STRENGTH OF 40.0 kgl, PAINTED AS PER FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL. MATERIAL TO BE COATED WITH DENFLEX PX-12412 PVC PLASTISOL COATING, 0.125" THICK, AS MANUFACTURED BY POLYONE, CHICAGO, ILLINOIS W/ 10.4 Lb/Golion Density, 2300 pgl Tensile Strength (ASTM D-412), 419 pgl Tear STRENGTH (ASTM D-624).

COATING WAS EXPOSED FOR 1000 him. In a duy ultraviolet chamber, resulting on some loss of gloss but no physical property degradation. Coating shall maintain a comfortable temperature of bench's surface under extreme weather conditions (hot or cold). This engineer is not responsible for the thermal performance of this coating, which shall be guaranteed by the coating nanufacturer. Maximum bench capacity is 640 lbs.

6.— ALL MACHINE SCREWS & BOLTS TO BE AIS! 304 OR 316 SERIES STAINLESS STEEL, MINIMUM SHEAR STRENGTH SHALL BE 60.0 kei. MINIMUM TENSILE STRENGTH SHALL BE 90.0 kei. AS PER ASTM A-276 STANDARD, ALL SHEET METAL SCREWS TO BE STAINLESS STEEL 304 OR 316 AIS! SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 30018 WITH 50 kei YIELD POINT AND 90 kei TENSILE STRENGTH & SHALL COMPLY W/FLORIDA BUILDING CODE SECTION 2411.3.3.4.

7.- ALL RIVETS TO BE STAINLESS STEEL WITH A MINIMUM OF 550 LB. SHEAR STRENGTH AND 700 LB. MINIMUM TENSILE STRENGTH.

8.— ALL WELDING OF STAINLESS STEEL MEMBERS SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY AWS D1.6 REGULATIONS. ELECTRODES SHALL BE MADE OF STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 80.0 kgl (A.W.S. CLASSIFICATION E-308, E309 OR EQUAL. ALL WELDING OF ALLUMINUM MEMBERS TO CONFORM WITH THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE E-5556 OR 5356 ELECTRODES. USE CERTIFIED WELDERS.

9.- STRUCTURAL INSULATED ROOF PANEL IS A 3" THICK ILB/FT" DENSITY EXPANDED POLYSTYRENE AS MANUFACTURED BY DYPLAST PRODUCTS LLC., W/ MAMI DADE COUNTY PRODUCT APPROVED, WITH 0.035" THICK. (STUCCO EMBOSSED) 3003-H154, ALUMINUM SKIN (W/ A MINIMUM YIELD STRENGTH OF 28.00 kg) TOP AND BOTTOM AND ADHERED TO POLYSTYRENE TO SKIN WITH MOR-AD M-464 URETHANE PREPOLYMER SOLUTION, PRODUCED BY MORTON INTERNATIONAL, INC. CHICAGO, ILLINOIS 60608-1598.

10.- GLASS AT REAR WALL OF BUS SHELTER SHALL BE 10mm THICK, TEMPERED AND SHALL COMPLY WITH SECTION 2411.1.3 OF THE FLORIDA BUILDING CODE.

11.- ANCHORS USED TO CONNECT FOST'S BASE PLATES TO CONCRETE FOUNDATION SHALL BE EITHER OF THE FOLLOWING TYPES:

(a.) 5/8" DIAMETER GALVANIZED STEEL ANCHOR BOLTS, WITH STRAIGHT SHAFT, HEAD AND NUT. TO COMPLY WITH ASTM F1854, GALVANIZED TO ASTM A-153 WITH A MINIMUM YIELD STRENGTH OF 38kg1, AND TO PENETRATE A MINIMUM OF 8" IN TO THE EPOXY TO THE CONCRETE FOUNDATION. MINIMUM A.S.D. TENSION LOAD CAPACITY: 8200 LB.
MINIMUM A.S.D. SHEAR LOAD CAPACITY: 3160 LB.

ANCHORS SHALL BE INSTALLED STRICTLY FOLLOWING THE SPECIFICATIONS OF THE ANCHOR MANUFACTURER AND THE DETAILS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT.

12.- ALL CONGRETE TO DEVELOP A 28 DAY WINIMUM COMPRESSIVE STRENGTH I'C OF 3000 psi, ALL REBARS TO BE ASTM A-815 DEFORMED BARS. ALL CONGRETE CONSTRUCTION TO COMPLY WITH ACI 318-08 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONGRETE.

13.- REQUIRED FRAMING FOR INSTALLATION OF SHELTER WITHIN EXPOSURES C OR D AS DEFINED BY ASCE 7-10 STANDARD SHALL BE PROVIDED BASED ON SCHEDULE ON SHEET 4 OF 15 OF THIS DRAWING.

(II) MIAMI BUS SHELTER SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

1.— ALL MECHANICAL DETAILS AND SPECIFICATIONS, AS APPLICABLE, ARE NOT PART OF THIS DRAWING. THEY SHALL BE PREPARED A FLORIDA REGISTERED ENGINEER OR ARCHITECT AND SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT IN ORDER TO ISSUE A PERMIT FOR CONSTRUCTION.

2.— ALL ZONING DETAILS AND SPECIFICATIONS NEEDED FOR THE LOCATION, USE AND CONSTRUCTION OF BUS SHELTER SLIM VERSION (8 NOT PART OF THIS DRAWING AND SHALL BE SUBMITTED SEPARATELY TO THE CORRESPONDING ZONING DEPARTMENT IN ORDER TO ISSUE A PERMIT FOR CONSTRUCTION.

3.- MINIMUM SOIL BEARING CAPACITY SHALL BE 2000 P.S.F.

4.- SHELTER'S DIMENSIONS HAVE BEEN PROVIDED TO THIS OFFICE BY MIAMI DADE COUNTY TRANSIT DEPARTMENT AND THEY NOT HAVE BEEN ESTABLISHED BY THIS OFFICE.

5.- (a.) This drawing prepared by this engineer is generic and does not provide information for a site specific project; i.e. where the site conditions deviate from the drawing.

(b.) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS DRAWING PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.

(c.) THIS DRAWING WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

(d.) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OF ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE DRAWING. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THIS ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.

(6.) THIS DRAWING SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROPESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

8.— FINISH COLOR FOR BUS SHELTER SLIM VERSION IS NOT PART OF THIS DRAWING, BUT SHALL BE DEFINED AS PER AGREEMENT BETWEEN MANUFACTURER AND OWNER OF BUS SHELTER. /

7. THIS DRAWING IS A GENERIC STRUCTURAL DRAWING AND DOES NOT CONSTITUTE AT ALL A SHOP DRAWING FOR THE DIRECT MANUFACTURING OF THIS BUS SHELTER.

8. LABELING OF THIS PRODUCT SHALL COMPLY W/ THE 2007 & 2010 EDITIONS OF THE FLORIDA BUILDING CODE.

P.E. SEAS SIGNATOR BY DATE

TILLECO INC.

MIAMI BUS
SHELTER
SLIM VERSIO
W/O OPPI PAI

6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, Fl. 33166 Phone:(305)871-1630. Fex.(305)871-1631 e-mail: bitleco@aol.com EB-0006719 WALTER A. TILLIT Jr., P. E.

FLORIDA Lic. # 44167

SLIM VERSION N/O OPPI PAL-LI SOLAR DISPLAY PANEL MIAMI-DADE COUNTY TRANSIT DEPARTMENT

701 NW 18T COURT, 8UITE 1700 MIAMI, ELORIDA 33136-3822 DRAWN BY: M.C.V./A.G. 02/10/12

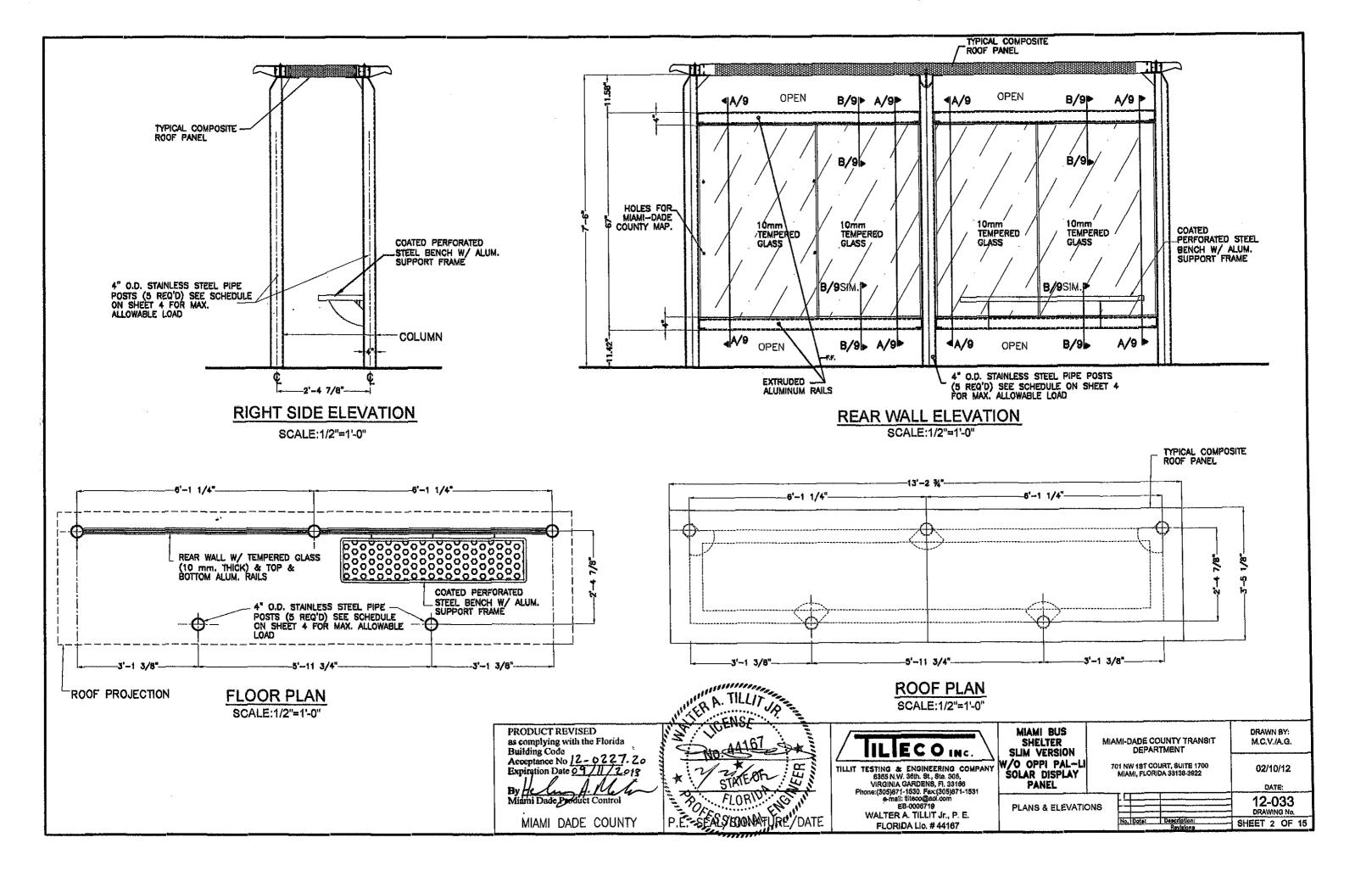
GENERAL NOTES

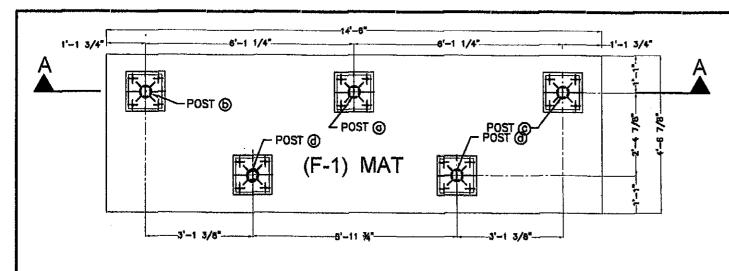
| DATE: | 12-033 | DRAWING No. | No. Date | Description: | SHEET 1 OF 15

PRODUCT REVISED as complying with the Florida Building Code Acceptance No/2-0227.20 Expiration Date 99/11/2013

By Helm A. Molami Dade Product Control

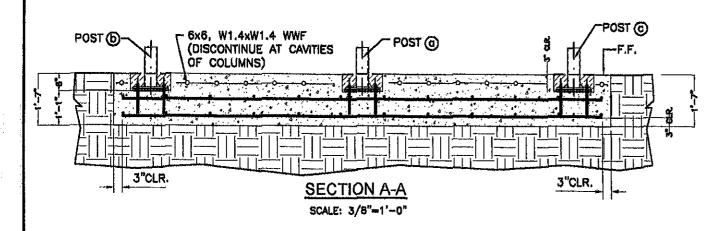
MIAMI DADE COUNTY

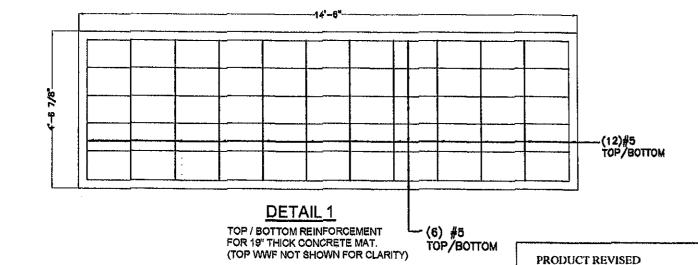




MAT FOUNDATION PLAN BUS SHELTER

(f'c = 3kel CONCRETE) SCALE: 3/8" = 1'-0"





as complying with the Florida

Miami Dado Poduct Control

Acceptance No 12-0227.20 Expiration Date 09/11/2013

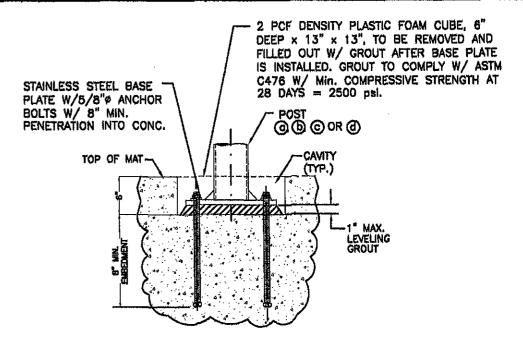
MIAMI DADE COUNTY

Building Code

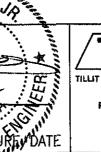
FOUNDATION NOTES:

- 1.—THE ELEVATION OF CAVITIES LEFT FOR POST'S BASE PLATES (SEE DETAILS) SHALL BE A MINIMUM OF 6" BELOW THE TOP OF THE BUS SHELTER FINISHED FLOOR SLAB.
- 2.- REINFORCEMENT STEEL SHOULD BE AS INDICATED ON FOOTING SCHEDULE:
- 3.-SEE GENERAL NOTES ON SHEET 1 OF 15 FOR ADDITIONAL SPECIFICATIONS & NOTES.
- 4.-SEE SHEETS 6, 7 & 8 FOR POST/BASE, PLATE SPECIFICATIONS FOR BUS SHELTER.

FOOTING SCHEDULE				
NUMBER	DIMENSION (WxL)	DEPTH	STEEL REINFORCEMENT	
F-1	4'-6 7/8"x14'-6"	1'-7"	(12) #5 @ 16" MAX. O.C. @ 14'-6" DIRECTION, TOP / BOTTOM. & (6) #5 @ 11" MAX. O.C. 4'-6 7/8" DIRECTION, TOP / BOTTOM.	



TYPICAL POST CONNECTION



/ ILLECO INC.

TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th. St., Ste. 305, VIRGINIA GARDENS, F. 33166 Phone: (305)871-1530. Fax: (305)871-1531 e-maii: bileco@aol.com EB-0006719

WALTER A. TILLIT Jr., P. E. FLORIDA LIC. #44167

MIAMI BUS
SHELTER
SLIM VERSION
W/O OPPI PAL---LI
SOLAR DISPLAY
PANEL

MIAMI-DADE COUNTY TRANSIT DEPARTMENT

701 NW 1ST COURT, SUITE 1700 MIAMI, FLORIDA 33136-3922

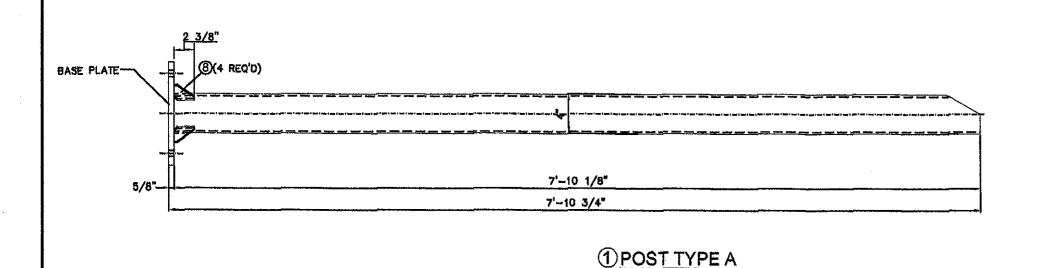
FOUNDATION PLAN & SCHEDULE 02/10/12

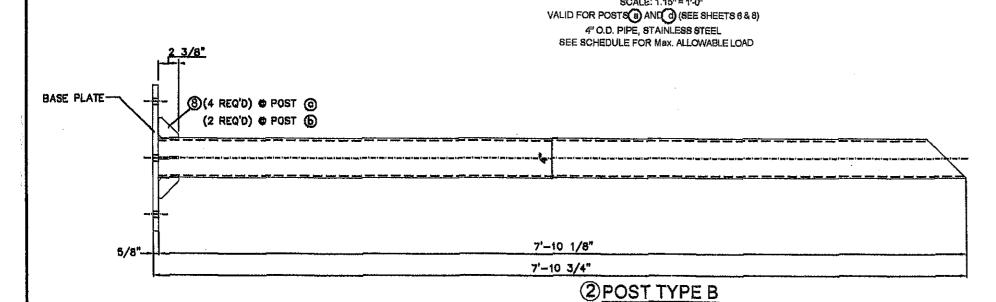
DATE:
12-033

DRAWING NO.
SHEET 3 OF 15

DRAWN BY:

M.C.V./A.G.





POST SCHEDULE

REQ'D PIPE SIZE & TYPE	MAX. A.S.D. DESIGN PRESSURE RATING (psf)		
BASED ON EXPOSURES C OR D	ROOF	REAR WALL	
4" O.D. SCHEDULE 40 FOR INSTALLATIONS ONLY WITHIN EXPOSURE C, BASED ON ASCE 7-10	± 72.0	+ 45.0, - 55.0	
4" O.D. SCHEDULE 80 FOR INSTALLATIONS WITHIN EXPOSURES C OR D, BASED ON ASCE 7-10	± 80.0	+ 50.0, -61.0	

BUS SHELTER POST COMPONENTS

VALID FOR POSTS AND (SEE SHEET 7)
4" O.D. PIPE, STAINLESS STEEL
SEE SCHEDULE FOR Max, ALLOWABLE LOAD

NOTE: SEE COMPONENT 8 ON SHEET 5

PRODUCT REVISED as complying with the Florida
Building Code
Acceptance No 12 - 0 227. Zo
Expiration Date 09 / 11 / 2013

By A Miami Dade Product Control

MIAMI DADE COUNTY

P.E. SEAP SHONATURE DAT

TILLE CO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Ste. 305,
VIRGINIA GARDENS, Fi. 33166
Phone: (305)871-1530. Fax: (305)871-1631
e-mail: biteco@aol.com
E8-0006719
WALTER A. TILLIT Jr., P. E.

FLORIDA Lic. # 44167

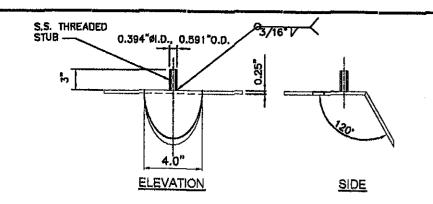
MIAMI BUS
SHELTER
SLIM VERSION
W/O OPPI PAL-LI
SOLAR DISPLAY
PANEL

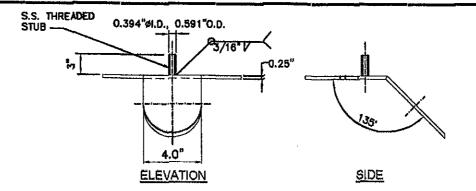
MIAMI-DADE COUNTY TRANSIT DEPARTMENT 701 NW 18T COURT, SUITE 1700 MIAMI, FLORIDA 33136-3922

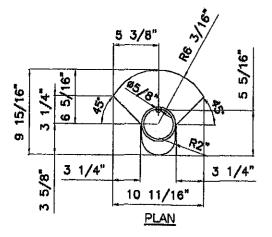
DRAWN BY: M.C.V./A.G. ENT 1, SUITE 1700 33138-3922 02/10/12

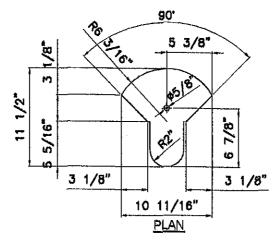
POST ELEVATIONS

12-033 DRAWING No. SHEET 4 OF 15









3 POST CAP PLATE TYPE A

VALID FOR POSTS @ & @
REQUIRES:(3) PER UNIT MATERIAL: STAINLESS STEEL, AISI 304 N.T.S.

4 POST CAP PLATE TYPE B

VALID FOR POSTS (c) REQUIRES:(1) PER UNIT MATERIAL: STAINLESS STEEL, AISI 304 N.T.S.

PRODUCT REVISED

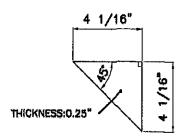
Building Code

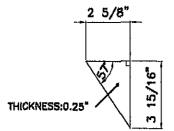
es complying with the Florida

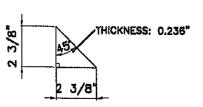
Acceptance No 12 - 0227. 20

MIAMI DADE COUNTY

Expiration Date 09/11/20/3







6 POST CAP PLATE GUSSET

VALID FOR POSTS (b) & (c) REQUIRES:(2) PER UNIT MATERIAL: STAINLESS STEEL, AISI 304 N.T.S.

7 POST CAP PLATE GUSSET

VALID FOR POSTS @ & @ REQUIRES:(3) PER UNIT MATERIAL: STAINLESS STEEL, AISI 304 N.T.S.

8 POST BASE PLATE GUSSET

REQUIRES:(20) PER UNIT MATERIAL: STAINLESS STEEL AIS 304

N.T.S.

R1 1/8"

3 1/8"

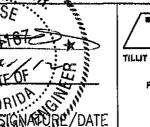
5 3/8"

REQUIRES:(2) PER POST MATERIAL: STAINLESS STEEL, AISI 304

(9) POST BRACKET FOR REAR WALL

RA. TILLIT

BUS SHELTER POST COMPONENTS



ILIECO INC.

5/16"6

TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FI. 33166
Phone: (305)871-1630, Fax: (305)871-1631
e-mail: tilteco@aol.com

WALTER A. TILLIT Jr., P. E. FLORIDA Lic. #44167

MIAMI BUS SHELTER SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY

PANEL

0.394"øl.D. & 0.591"0.D. S.S.

3/16°V

R1 1/8"

13/16

ELEVATION

10 11/16"

(5) POST CAP PLATE TYPE C

VALID FOR POSTS (b)
REQUIRES:(1) PER UNIT

MATERIAL: STAINLESS STEEL, AISI 304

r-0.25

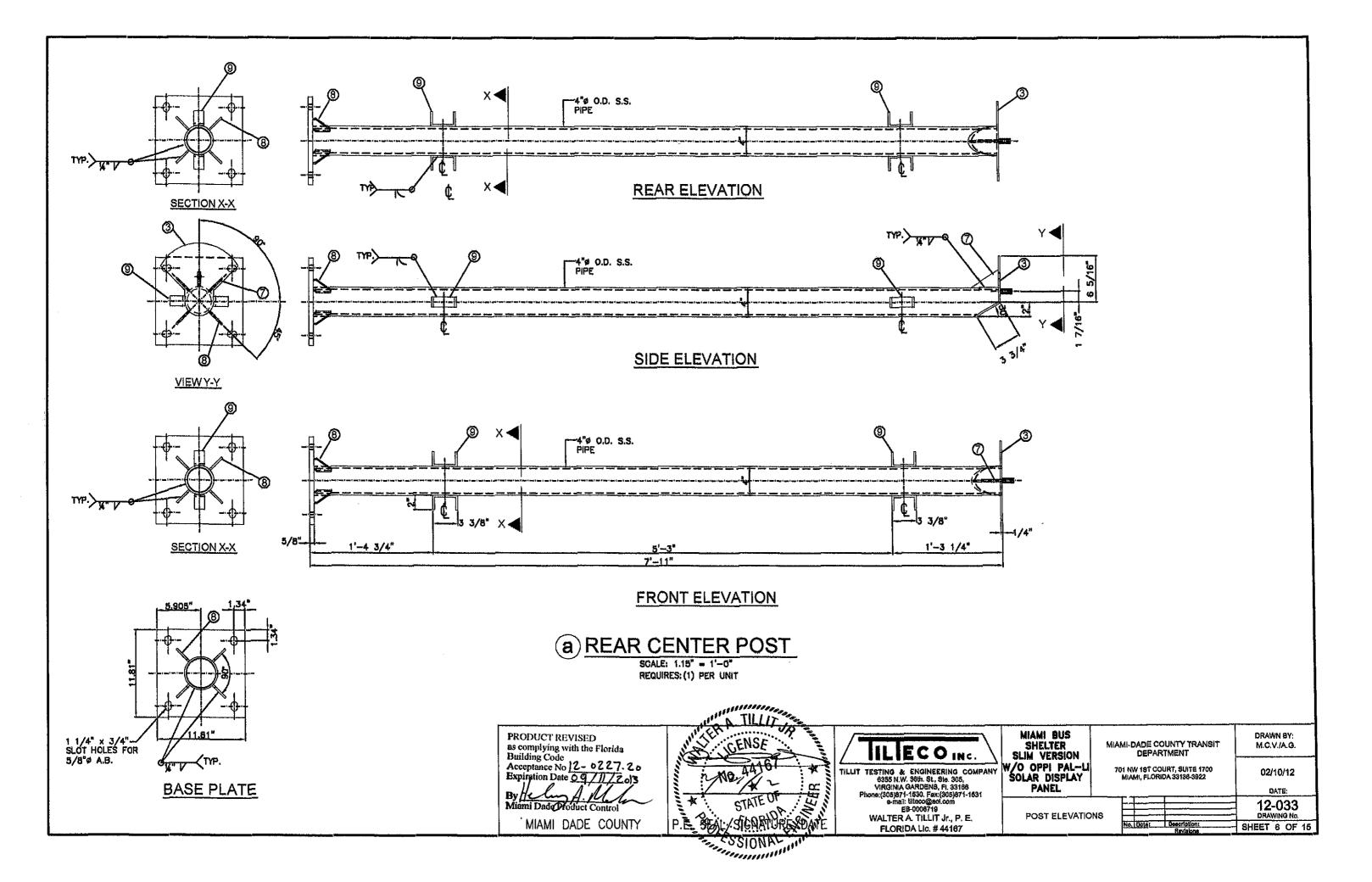
THREADED STUB

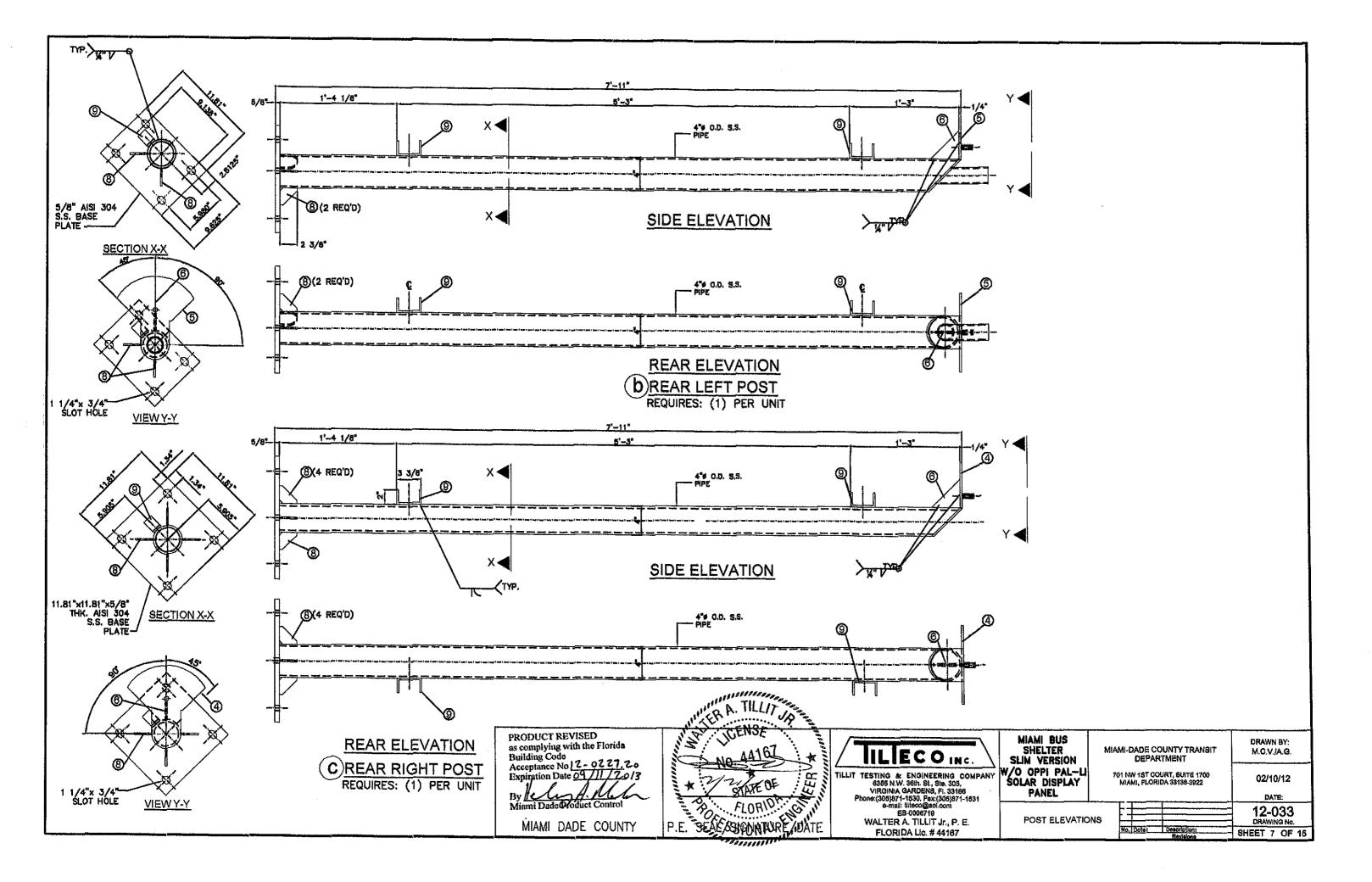
SIDE

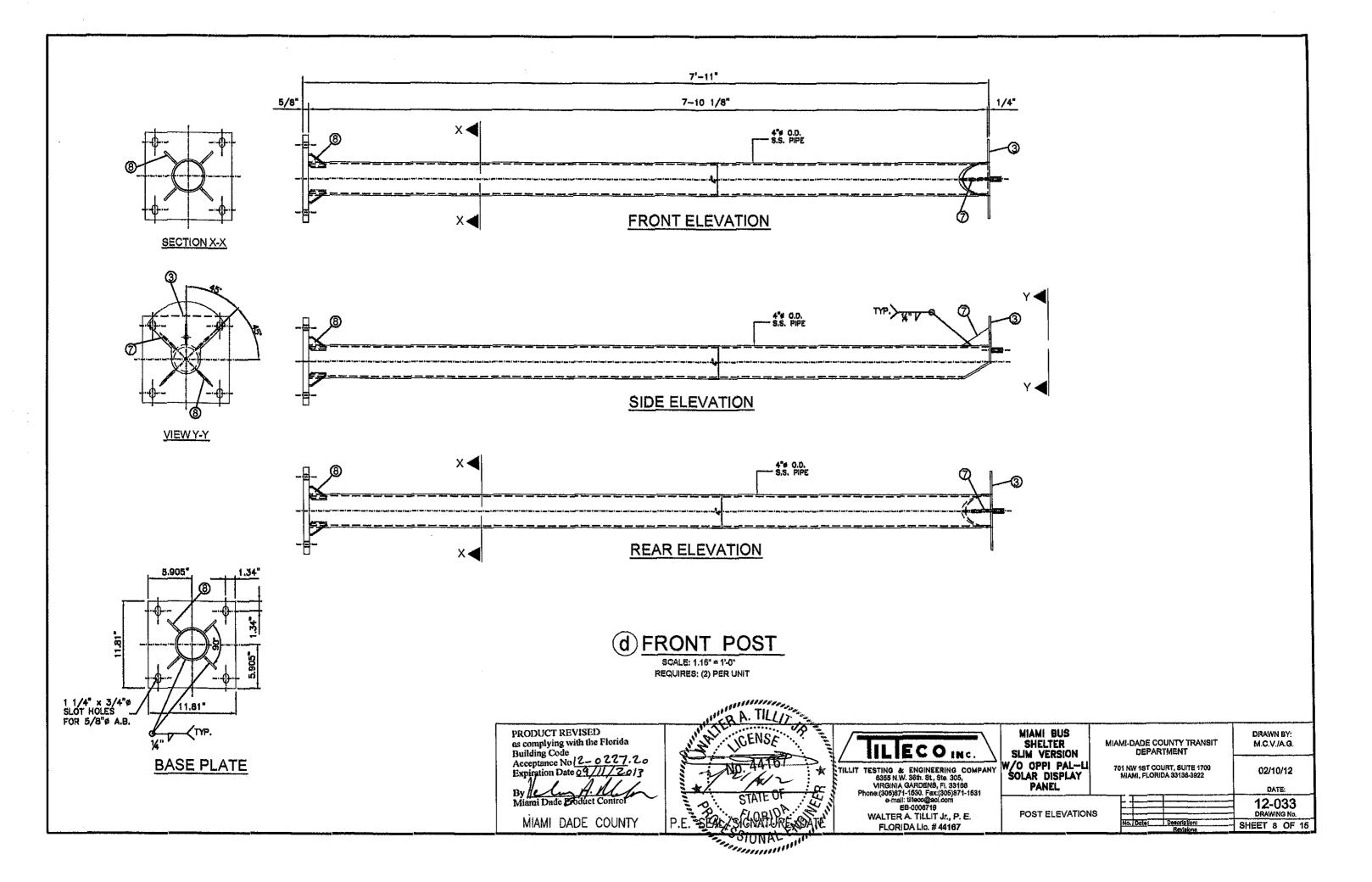
DRAWN BY: MIAMI-DADE COUNTY TRANSIT M.C.V./A.G. DEPARTMENT 701 NW 1ST COURT, SUITE 1700 MIAMI, FLORIDA 33136-3922 02/10/12

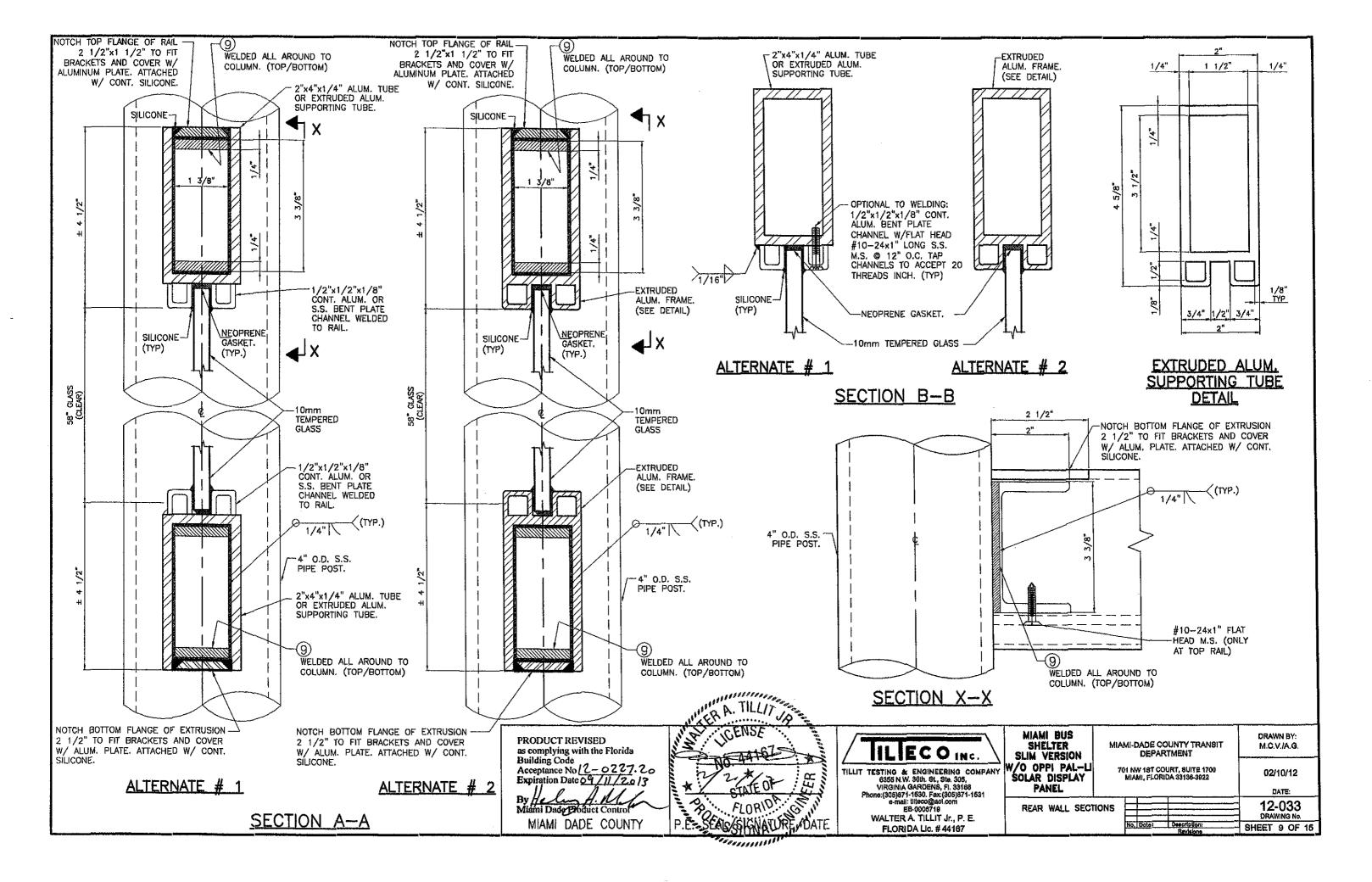
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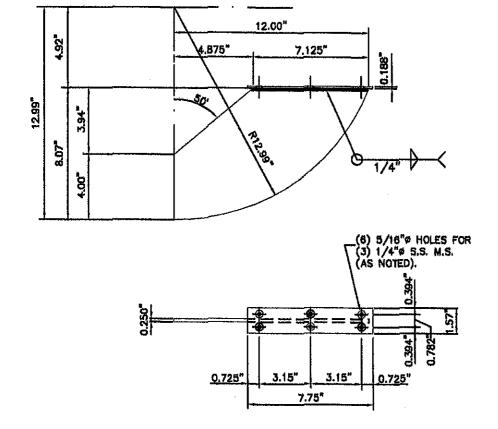
DATE: 12-033 DRAWING No. SHEET 5 OF 15





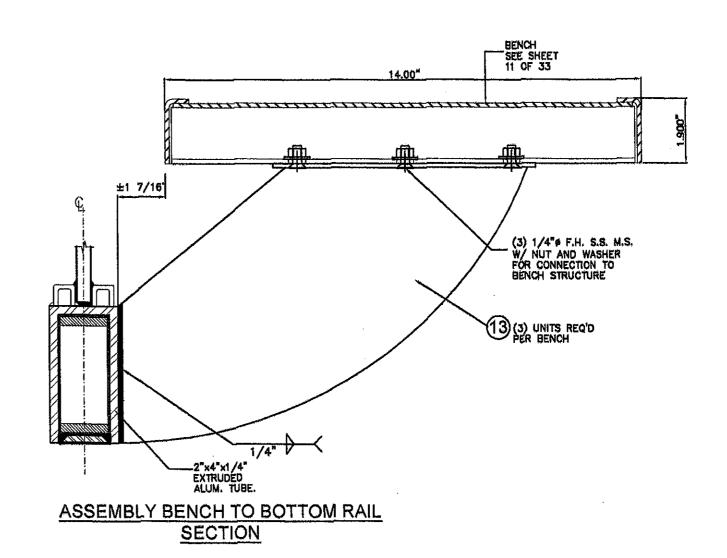


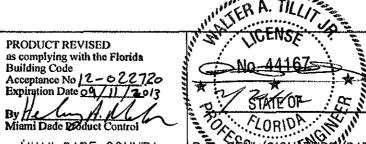




(3) BENCH SUPPORT BRACKET

MATERIAL; 5052-H32 or 6063-T6 ALUM. ALLOY WELDED PLATES REQUIRES: (3)PER UNIT





IL ECO INC.

TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, F., 33168
Phone:(306)871-1530. Fax:(305)871-1531
e-mail: tileco@aoi.com
EB-0006719

WALTER A. TILLIT Jr., P. E. FLORIDA Llc. # 44167

MIAMI BUS SHELTER SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY

PANEL

BEAM SUPPORT COMPONENTS 701 NW 1ST COURT, SUITE 1700 MIAMI, FLORIDA 33136-3922

MIAMI-DADE COUNTY TRANSIT DEPARTMENT

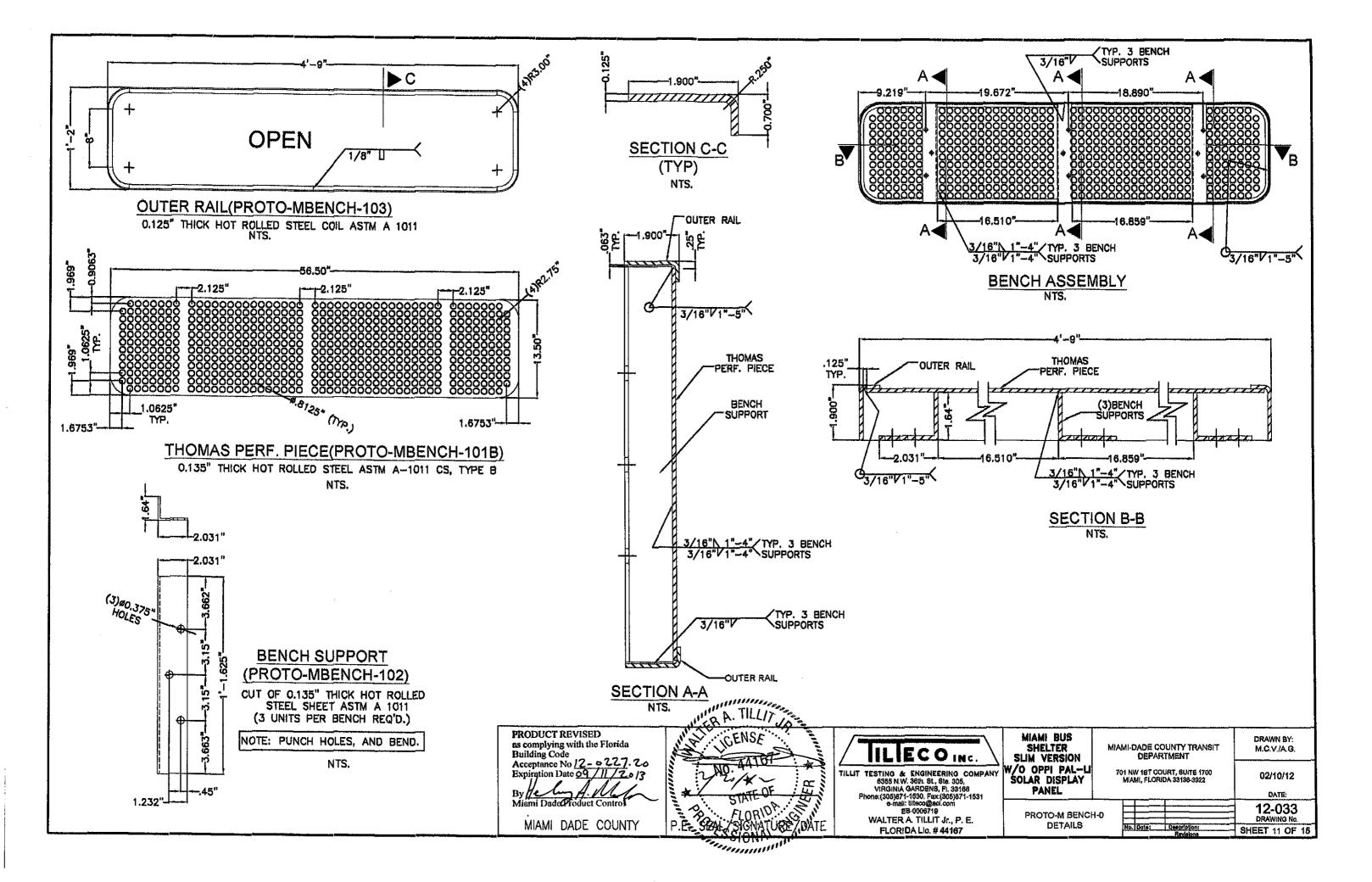
02/10/12 DATE:

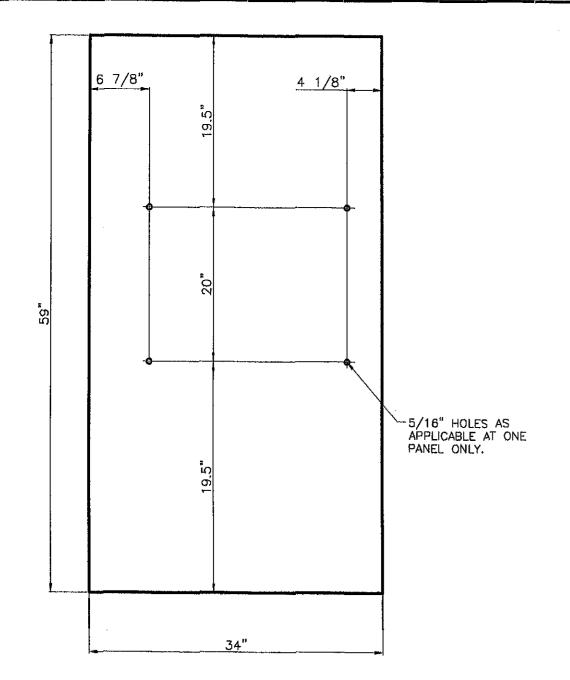
DRAWN BY:

M.C.V./A.G.

12-033 DRAWING No. SHEET 10 OF 15

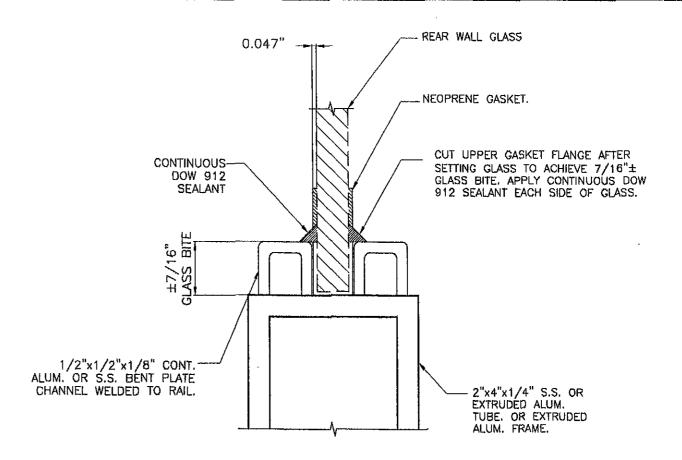
MIAMI DADE COUNTY





REAR WALL GLASS - BUS SHELTER

N.T.S 10mm TEMPERED GLASS W/ GROUND EDGES REQUIRES:(4) PER UNIT



RUBBER GASKET-UPPER & LOWER GLASS EDGE: GLAZING DETAIL

N.T.S. MATERIAL: NEOPRENE RUBBER REQUIRES:(24') PER UNIT THICKNESS: 10mm

PRODUCT REVISED as complying with the Florida **Building Code** Acceptance No/2-0227.20 Expiration Date 09/11/2013

MIAMI DADE COUNTY



ILECO INC.

TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th. St., Sie. 305,
VIRGINIA GARDENS, Fl. 33168
Phone:(305)871-1530. Fax:(305)871-1631
9-mail: tilteco@eol.com
EB-0006719
WALTER A. TILLIT Jr., P. E.

FLORIDA Lic. # 44167

MIAMI BUS SHELTER SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

MIAMI-DADE COUNTY TRANSIT DEPARTMENT

701 NW 1ST COURT, SUITE 1700

02/10/12

DRAWN BY:

M.C.V./A.G.

DATE:

12-033 REAR WALL GLASS DRAWING No. Vo. Date: Description SHEET 12 OF 15

